

Work Order ID 93338

93338

Page 1

November-15-12 11:43:17 AM

Item ID: 646.3715

Accept

N900040100

Setup

Start *NS1*

Revision ID:

Stop

NS2

Item Name: Strut Doubler

Start Date: 11/15/12 Start Qty: 20.00

20

Cust Item ID:

Required Date: 12/07/12 Req'd Qty: 20.00

20

Customer:

Reference:

Approvals: Process Plan: MLJ

Date: 12-11-12 Tooling:

Date:

Run

Start

NR1

QC:

Date: SPC (Y/N):

Date:

Stop

NR2

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|---|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| Draw Nbr | Revision Nbr | | | | | | | | |
| 646.3700 | A | 0.00 | | | | | | | |
| 110 | | | | | | | | | |
| *110* | | | | | | | | | |
| Waterjet | Memo | 0.00 | | | | | | | |
| FLOW CNC Waterjet | 1-Cut as per Dwg | | | | | | | | |
| 6061 .040 | Dwg Rev: A | | | | | | | | |
| | Prog Rev: A | | | | | | | | |
| | 2-Deburr if necessary | | | | | | | | |
| 120 | QC2- Inspect parts off machine FAI/FAIB | 0.00 | | | | | | | |
| *120* | | | | | | | | | |
| QC | Memo | 0.00 | | | | | | | |
| Quality Control | | | | | | | | | |

(30)

12-12-12

(30)

12-12-12

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: Date: *[Signature]*

QA Closed: _____ Date: _____

| Work Order: _____ | | | DISPOSITION | | | AGAINST DEPARTMENT/PROCESS | | | | | | | | | | |
|------------------------------|---------|------|---|--|--|--|---------------------------------|---------------------------------|--------------|--|--|----------------------|---------|--|--|--------------------|
| | | | Rework Scrap Use-as-is Work Order Update | Skid-tube Machining Thermoforming Large Fab | Crosstube Small Fab Finishing Composite | Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier | Engineering Quality Other | | | | | | | | | |
| Part No. _____ | | | | | | | | | | | | | | | | |
| NCR No. _____ | | | | | | | | | | | | | | | | |
| Root Cause | Date | Step | Qty | Description of work order update or Non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector | | | | | | | |
| Doc/Data | | | | | | | | | | | | | | | | |
| Equip/Tooling | | | | | | | | | | | | | | | | |
| Operator | | | | | | | | | | | | | | | | |
| Material | | | | | | | | | | | | | | | | |
| Setup | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | |
| Process | | | | | | | | | | | | | | | | |
| Supplier | | | | | | | | | | | | | | | | |
| Training | | | | | | | | | | | | | | | | |
| Unapproved | | | | | | | | | | | | | | | | |
| FAULT CATEGORY | | | | | | | | | | | | | | | | |
| Landing Gear | | | | General | | | | | | | | | | | | |
| Bending | General | | | Bend | General | | | Grain | General | | | Ovalized | General | | | Pressure/Forced |
| Centre Not Concentric to O/S | | | | BOM/Route | | | | Hardware | | | | Over/Under tolerance | | | | Temperature/Cure |
| Cracks | | | | Broken/Damaged | | | | Inspection Incomplete | | | | Part Incorrect | | | | Weld |
| Crushed/Crimped. | | | | Burrs | | | | Instructions Incomplete/Unclear | | | | Part Lost/Missing | | | | Wrong Stock Pulled |
| Cuffs | | | | Contamination | | | | Maintenance | | | | Part Moved | | | | |
| Heat Treat | | | | Countersink | | | | Mislabeled | | | | Positioned Wrong | | | | |
| Inspection Strip in Tube | | | | Cut Too Short | | | | Misread | | | | Power Loss/Surge | | | | |
| Ripples in Bend | | | | Drill Holes | | | | Offset | | | | | | | | Other |
| Torque Waves in Extrusion | | | | Drawing | | | | Out of Calibration | | | | | | | | |
| Turning Sequence | | | | Finish | | | | Out of Sequence | | | | | | | | |
| Wave/Twist in Tube | | | | Folio | | | | Outside Dimensions | | | | | | | | |

Work Order ID 93338***93338***

Page 2

November-15-12 11:43:17 AM

Item ID: 646.3715

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: Strut Doubler

Stop

NS2

Start Date: 11/15/12 Start Qty: 20.00

20

Cust Item ID:

Required Date: 12/07/12 Req'd Qty: 20.00

20

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|-----------------------------------|--|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------------|
| 130 *130* QC | QC8- Inspect parts - second check | 0.00 0.5 0.89 | | | | | | | |
| Quality Control | Memo | 0.00 10/12/18 | | | | | | | |
| 140 *140* Outsource4 | Outsource process-Anodize per QSI017 4.1.10.1 | 0.00 | | | | | | | |
| Outsource process - Anodize | Memo Issue P/O: <u>18829</u> HARD ANODIZE, COLOR BLACK AS PER DWG.(SEE NOTE 2) | 0.00 | | | | | | | <u>10/13-01-15</u> |
| 150 *150* Packaging | Receive & Inspect for Damage & Mat'l Certs | 0.00 | | | | | | | |
| Packaging | Memo | 0.00 | | | | | | | <u>10/13/13 (30)</u> |

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

| Work Order: _____ | | | DISPOSITION | | | AGAINST DEPARTMENT/PROCESS | | | | | | | | |
|--|------|------|---|---|--|--|---|--|-------------|--------------|--|--|---|--|
| | | | Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/> | Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> | Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> | Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> | Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> | | | | | | | |
| Root Cause | Date | Step | Qty | Description of work order update or Non-conformance | | Initial Chief Eng | Action Description | | Sign & Date | Verification | QC Inspector | | | |
| Doc/Data <input type="checkbox"/> Equip/Tooling <input type="checkbox"/> Operator <input type="checkbox"/> Material <input type="checkbox"/> Setup <input type="checkbox"/> Other <input type="checkbox"/> Process <input type="checkbox"/> Supplier <input type="checkbox"/> Training <input type="checkbox"/> Unapproved <input type="checkbox"/> | | | | | | | | | | | | | | |
| FAULT CATEGORY | | | | | | | | | | | | | | |
| Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube | | | | General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio | | | <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions | | | | <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge | | <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled | |

Work Order ID 93338

93338

Page 3

November-15-12 11:43:17 AM

Item ID: 646.3715

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Strut Doubler

Start Date: 11/15/12 Start Qty: 20.00

20

Cust Item ID:

Required Date: 12/07/12 Req'd Qty: 20.00

20

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

160

160

QC:

Quality Control

QC5- Inspect part completeness to step on W/O

0.00
DAS
16
30/10

170

170

SprayPaint

Spray Painting

Memo

0.00

30

0

0

13-3-22

0.00

PRIME IAW MIL-P-23377J TYPE I CLASS N AS PER DWG. (SEE NOTE 2)

CARDINAL 4860-50 PRIMER BATCH: 124204

180

180

QC:

Quality Control

QC14- Inspect Spray Paint

0.00
DAS
16
30/10

30

0

0

Count

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: Date: _____

QA Closed: _____ Date: _____

| Work Order: _____ Part No. _____ NCR No. _____ | | | | DISPOSITION | | AGAINST DEPARTMENT/PROCESS | | | | | | |
|--|--|------|------|--|--|---|--|--|--|---|--------------|--------------|
| | | | | Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/> | Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> | Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> | Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> | Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> | | | | |
| Root Cause | | Date | Step | Qty | Description of work order update or Non-conformance | | Initial Chief Eng | Action Description | | Sign & Date | Verification | QC Inspector |
| Doc/Data | | | | | | | | | | | | |
| Equip/Tooling | | | | | | | | | | | | |
| Operator | | | | | | | | | | | | |
| Material | | | | | | | | | | | | |
| Setup | | | | | | | | | | | | |
| Other | | | | | | | | | | | | |
| Process | | | | | | | | | | | | |
| Supplier | | | | | | | | | | | | |
| Training | | | | | | | | | | | | |
| Unapproved | | | | | | | | | | | | |
| FAULT CATEGORY | | | | | | | | | | | | |
| Landing Gear Bending Centre Not Concentric to O/S Cracks Crushed/Crimped. Cuffs Heat Treat Inspection Strip in Tube Ripples in Bend Torque Waves in Extrusion Turning Sequence Wave/Twist in Tube | | | | General Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> | | Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions <input type="checkbox"/> | | Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> | | Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other <input type="checkbox"/> | | |

Work Order ID 93338

93338

Page 4

November-15-12 11:43:17 AM

Item ID: 646.3715

Accept

N900040100

Setup

Start

NS1

Revision ID:

Stop

NS2

Item Name: Strut Doubler

Start Date: 11/15/12 Start Qty: 20.00

20

Cust Item ID:

Required Date: 12/07/12 Req'd Qty: 20.00

20

Customer:

Reference:

Approvals: Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run

Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

190

Identify as per dwg & Stock Location

STB9A

0.00

190

Packaging

Packaging

Memo

0.00

***IDENTIFY AS PER APICAL MPP-120 BY STAMPING THE P# AND
REV***

200

QC21- Final Inspection - Work Order Release

0.00

200

QC

Quality Control

Memo

0.00

301 80
13-4-10

13/4/10 JF

JF
13-4-10

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: Date:

QA Closed: _____ Date: _____

Picklist Print

November-15-12 11:43:17 AM

Page 1

Work Order ID: 93338**Start Date:** 11/15/12**Parent Item:** 646.3715**Required Date:** 12/07/12**Parent Item Name:** Strut Doubler**Start Qty:** 20.00**Required Qty:** 20.00**Comments:** IPP REV:A 12.10.22 NEW ISSUE DD VERF:JLM

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|------------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
| M6061T6S.040 6061-T6 .040 Sheet | | Purchased | No | | | 110 | sf | 156.6578 | 0.0434 | 0.9136842 | 1.6 | FB12-12-16 | |

| <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |
|-----------------|----------------|-----------------|
| MAT021 | 156.6578 | |
| 121099 | 156.6578 | 123.873 |

(30)

NCR: Yes / No

DQA: Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

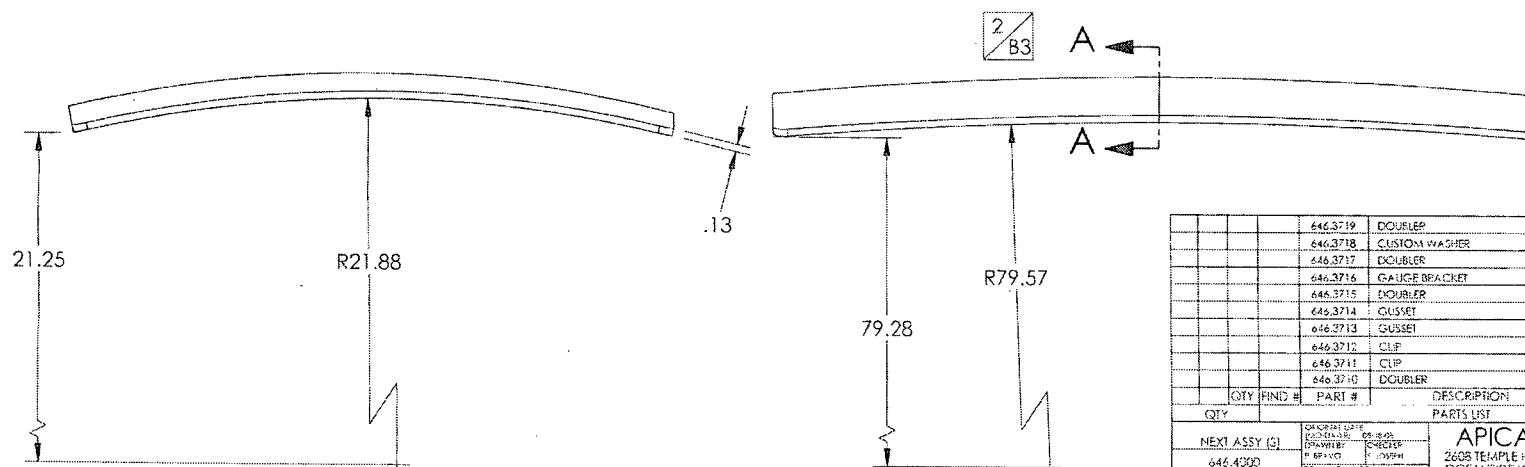
| | | | | | | | | | | | |
|--|--|------|--|---|---|---|---|-------------|--------------|--------------|--|
| Work Order: _____ | | | DISPOSITION | | | AGAINST DEPARTMENT/PROCESS | | | | | |
| | | | Rework <input type="checkbox"/> | Skid-tube <input type="checkbox"/> | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | | | | |
| Part No. _____ | | | Scrap <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coor. <input type="checkbox"/> | Quality <input type="checkbox"/> | | | | |
| NCR No. _____ | | | Use-as-is <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | | | | |
| Root Cause | | Date | Step | Qty | Description of work order update or Non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector | |
| Doc/Data | | | | | | | | | | | |
| Equip/Tooling | | | | | | | | | | | |
| Operator | | | | | | | | | | | |
| Material | | | | | | | | | | | |
| Setup | | | | | | | | | | | |
| Other | | | | | | | | | | | |
| Process | | | | | | | | | | | |
| Supplier | | | | | | | | | | | |
| Training | | | | | | | | | | | |
| Unapproved | | | | | | | | | | | |
| FAULT CATEGORY | | | | | | | | | | | |
| Landing Gear | | | General | | | | | | | | |
| | | | Bending <input type="checkbox"/> | Bend <input type="checkbox"/> | Grain <input type="checkbox"/> | Ovalized <input type="checkbox"/> | Pressure/Forced <input type="checkbox"/> | | | | |
| Centre Not Concentric to O/S <input type="checkbox"/> | | | BOM/Route <input type="checkbox"/> | Hardware <input type="checkbox"/> | Over/Under tolerance <input type="checkbox"/> | Temperature/Cure <input type="checkbox"/> | | | | | |
| Cracks <input type="checkbox"/> | | | Broken/Damaged <input type="checkbox"/> | Inspection Incomplete <input type="checkbox"/> | Part Incorrect <input type="checkbox"/> | Weld <input type="checkbox"/> | | | | | |
| Crushed/Crimped <input type="checkbox"/> | | | Burrs <input type="checkbox"/> | Instructions Incomplete/Unclear <input type="checkbox"/> | Part Lost/Missing <input type="checkbox"/> | Wrong Stock Pulled <input type="checkbox"/> | | | | | |
| Cuffs <input type="checkbox"/> | | | Contamination <input type="checkbox"/> | Maintenance <input type="checkbox"/> | Part Moved <input type="checkbox"/> | | | | | | |
| Heat Treat <input type="checkbox"/> | | | Countersink <input type="checkbox"/> | Mislabeled <input type="checkbox"/> | Positioned Wrong <input type="checkbox"/> | | | | | | |
| Inspection Strip in Tube <input type="checkbox"/> | | | Cut Too Short <input type="checkbox"/> | Misread <input type="checkbox"/> | Power Loss/Surge <input type="checkbox"/> | | | | | | |
| Ripples in Bend <input type="checkbox"/> | | | Drill Holes <input type="checkbox"/> | Offset <input type="checkbox"/> | | | | | | | |
| Torque Waves in Extrusion <input type="checkbox"/> | | | Drawing <input type="checkbox"/> | Out of Calibration <input type="checkbox"/> | | | | | | | |
| Turning Sequence <input type="checkbox"/> | | | Finish <input type="checkbox"/> | Out of Sequence <input type="checkbox"/> | | | | | | | |
| Wave/Twist in Tube <input type="checkbox"/> | | | Folio <input type="checkbox"/> | Outside Dimensions <input type="checkbox"/> | | | | | | | |

NOTES.

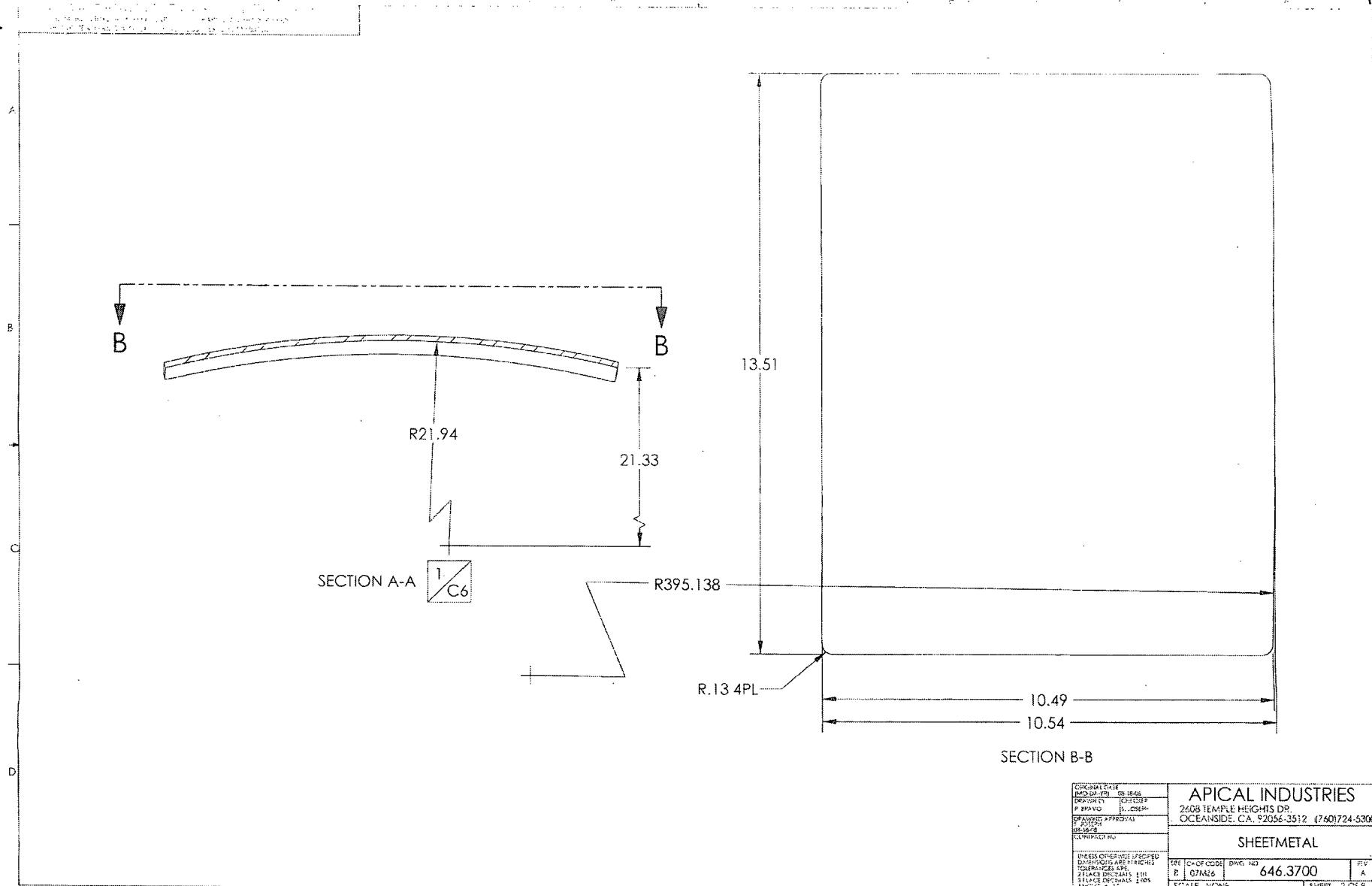
- ⚠ MATERIAL: ALUMINUM 6061-T6 PER AMS-QQ-A-250/11
- ⚠ FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III
CLASS 2, COLOR BLACK:
CARDINAL 4860-50 PRETREATMENT PRIMER
PRIME IAW MIL-P-23377J TYPE I CLASS N
- ⚠ MATERIAL: 17-4 PH AMS 5604, CONDITION H900
- ⚠ FINISH: PRIME IAW MIL-P-23377J TYPE I CLASS N
- 5. DEBURR AND BREAK ALL SHARP EDGES
- 6. IDENTIFY IAW MPP-120

SHOP COPY
RETURN TO
ENGINEER NG
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO 93338 M25
12-11-11

646.3710

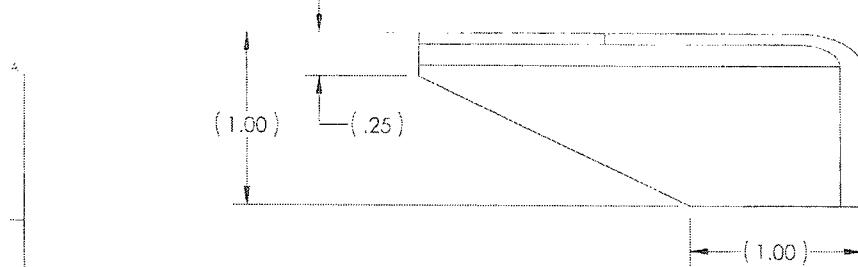


93338

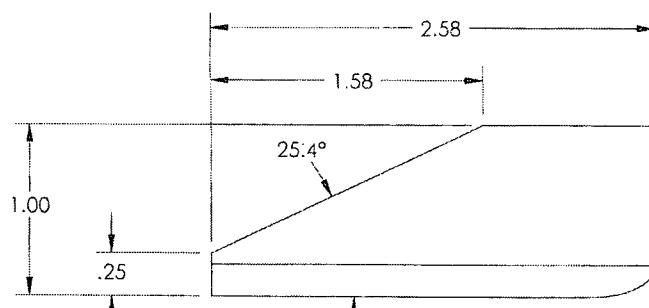
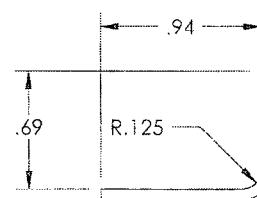
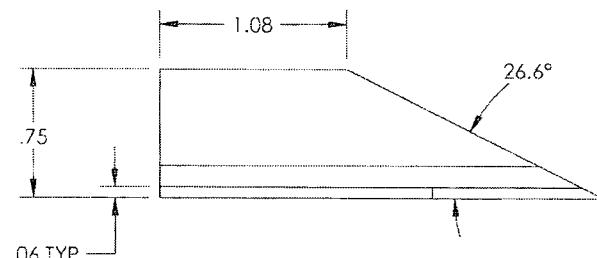


| | | |
|---|-----------------------------------|--|
| CHECKED BY: [Signature] | DATE: 08-16-06 | APICAL INDUSTRIES |
| DESIGNED BY: [Signature] | PRINTED BY: [Signature] | 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300 |
| P APPROVED: [Signature] | PRINTING APPROVED: [Signature] | 08-16-06 |
| 1/8 INCHES | 1/8 INCHES | 1/8 INCHES |
| CALLGRAPHIC NO: | | |
| INCHES ONLY ARE LISTED DIMENSIONS ARE IN INCHES 2 PLACE DECIMALS 100 3 PLACE DECIMALS 1000 4 PLACES 10000 | | |
| REV: C-07/06/06 | DXF: 646.3700 | P/V: A |
| SCALE: NONE | SHEET: 2 OF 9 | |

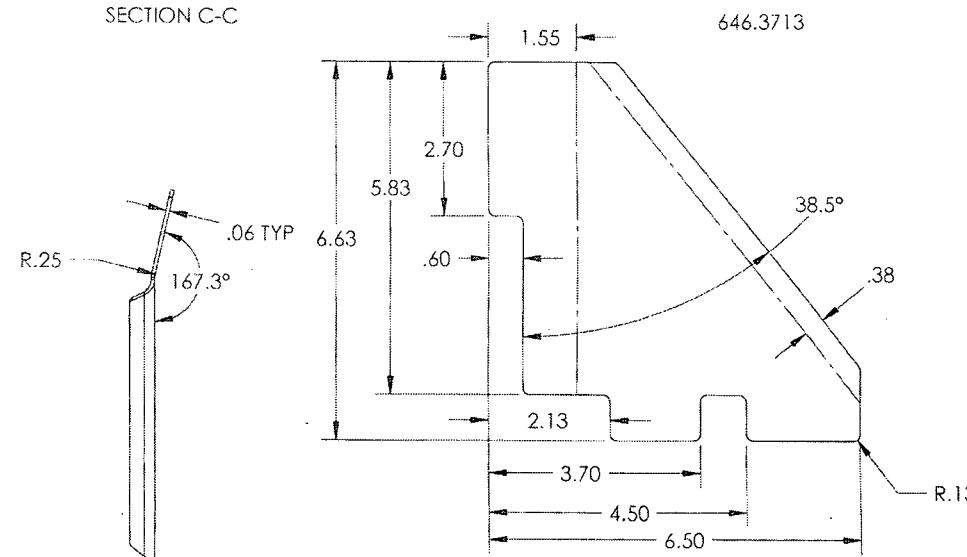
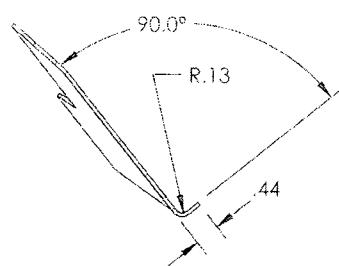
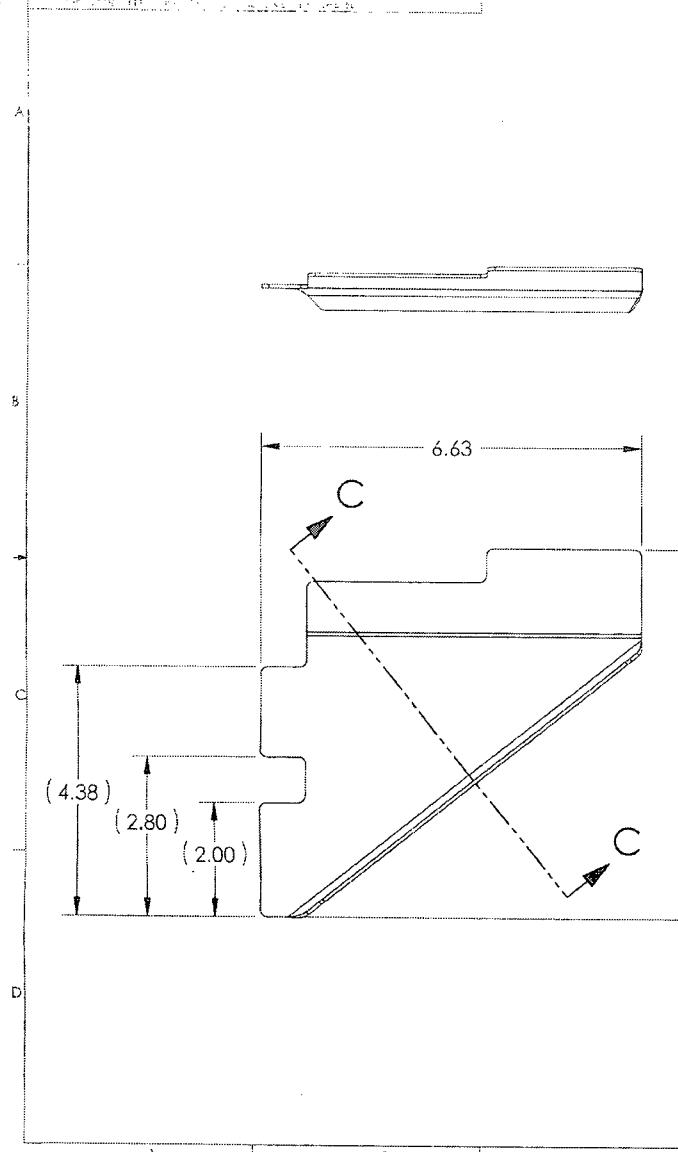
93338



646.3711 SHOWN
646.3712 OPPOSITE

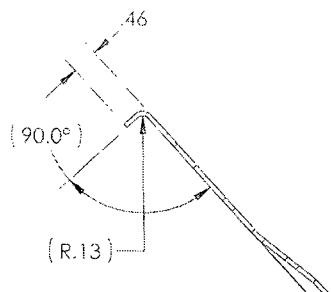


93338

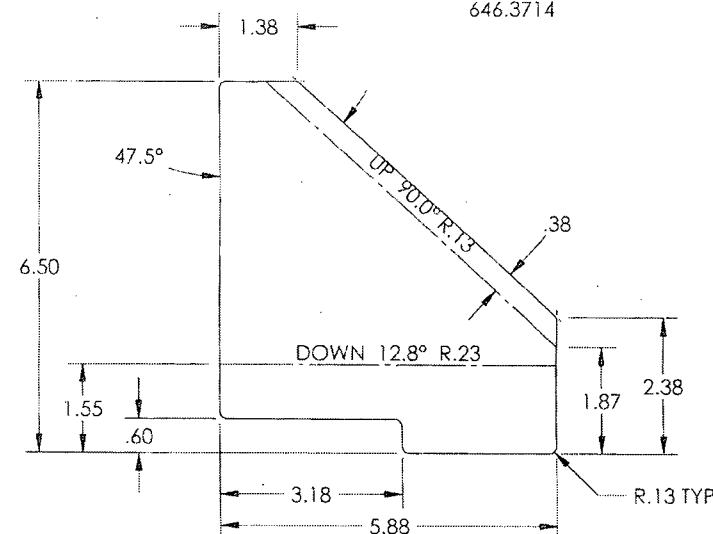
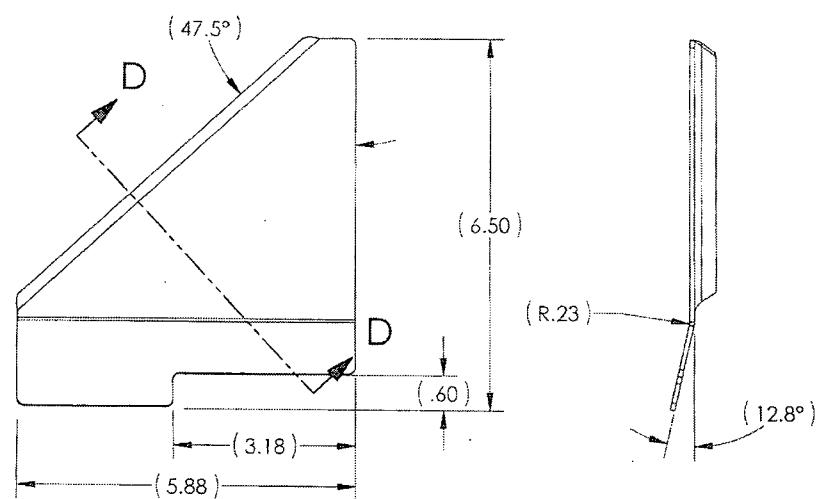


| | | | |
|---|---|---|---|
| NEXT ASSY (S) | 0418141273 | 04-18-06 | APICAL INDUSTRIES |
| DESIGNER | REVISER | DATE | 2408 TEMPLE HEIGHTS DR. |
| SP. E. SPALDING | SP. E. SPALDING | 10/18/06 | OCEANSIDE, CA. 92056-3512 (760)724-5300 |
| DATE | REVISION | COMPTN/ | |
| 10/18/06 | 00 | COMPATN | |
| INSTR. & DESIGN: SPALDING | SP. E. SPALDING | SP. E. SPALDING | |
| MANUFACTURER: APICAL INDUSTRIES | SP. E. SPALDING | SP. E. SPALDING | |
| PRINTED: 10/18/06 | 10/18/06 | 10/18/06 | |
| STOCK NO. 44 | 44 | 44 | |
| 2408 TEMPLE HEIGHTS DR. | 2408 TEMPLE HEIGHTS DR. | 2408 TEMPLE HEIGHTS DR. | |
| OCEANSIDE, CA. 92056-3512 (760)724-5300 | OCEANSIDE, CA. 92056-3512 (760)724-5300 | OCEANSIDE, CA. 92056-3512 (760)724-5300 | |
| SHEETMETAL | SHEETMETAL | SHEETMETAL | |
| 646.3700 | 646.3700 | 646.3700 | |
| SCALE: 1:ONE | SCALE: 1:ONE | SCALE: 1:ONE | |
| SHEET 2 OF 9 | SHEET 2 OF 9 | SHEET 2 OF 9 | |

93338

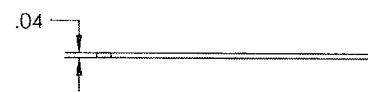
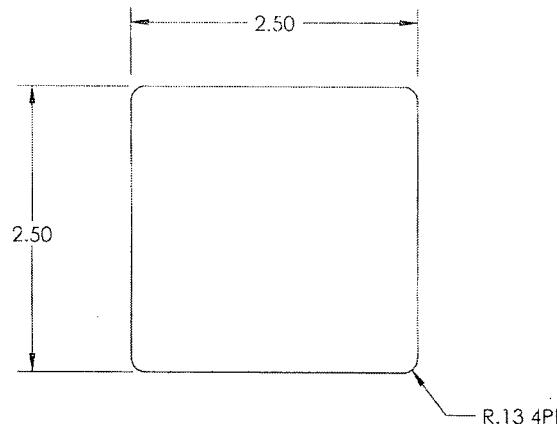


SECTION D-D



FLAT PATTERN

93338

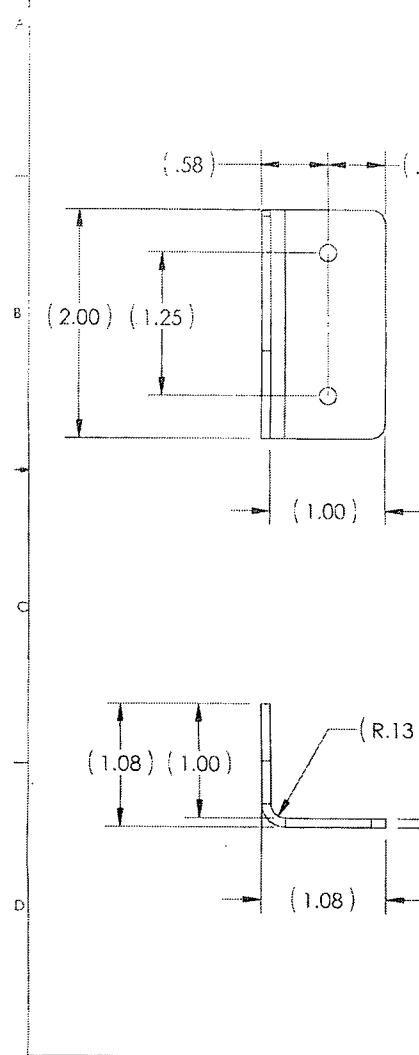


646.3715

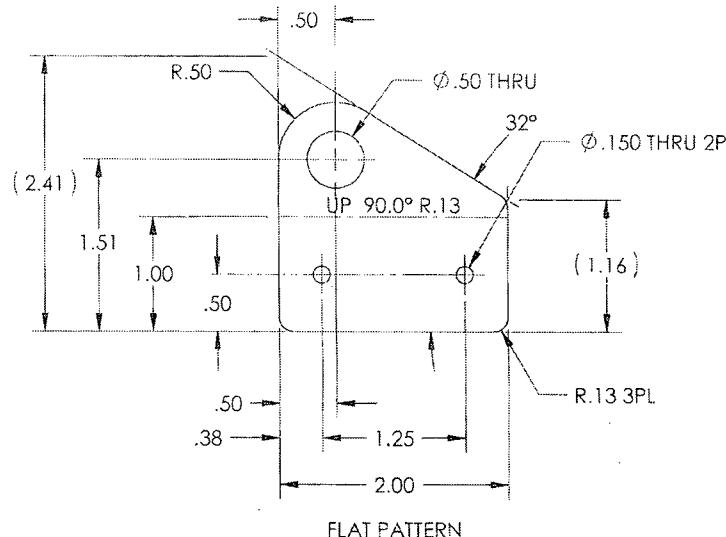
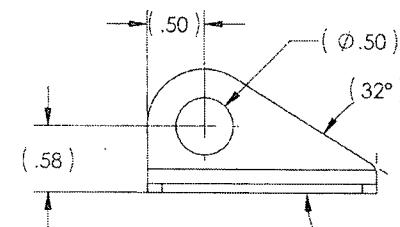
1 1 2 3 4 5 6 7 8

| | | |
|---------------|--|----------------|
| NEXT ASSY (S) | ON/DATE | 08-10-06 |
| | DRAWN BY | CHUCK S JOSEPH |
| | REVIEWED BY | |
| | APPROVED BY | |
| | DESIGNER | |
| | MAKER | |
| | INSPECTOR | |
| | CONTRACT NO | |
| | UNLESS OTHERWISE SPECIFIED COMPONENTS ARE FURNISHED SOLVENT CLEANSING EXCEPT AS OTHERWISE SPECIFIED REGRINDS REWORKS | |
| | SEE CAGE CODE | REV |
| | B 07M7A | A |
| | DOC NO | 646.3700 |
| | SCALE | 1:1 |
| | | 1 SHEET 6 OF 9 |

93338



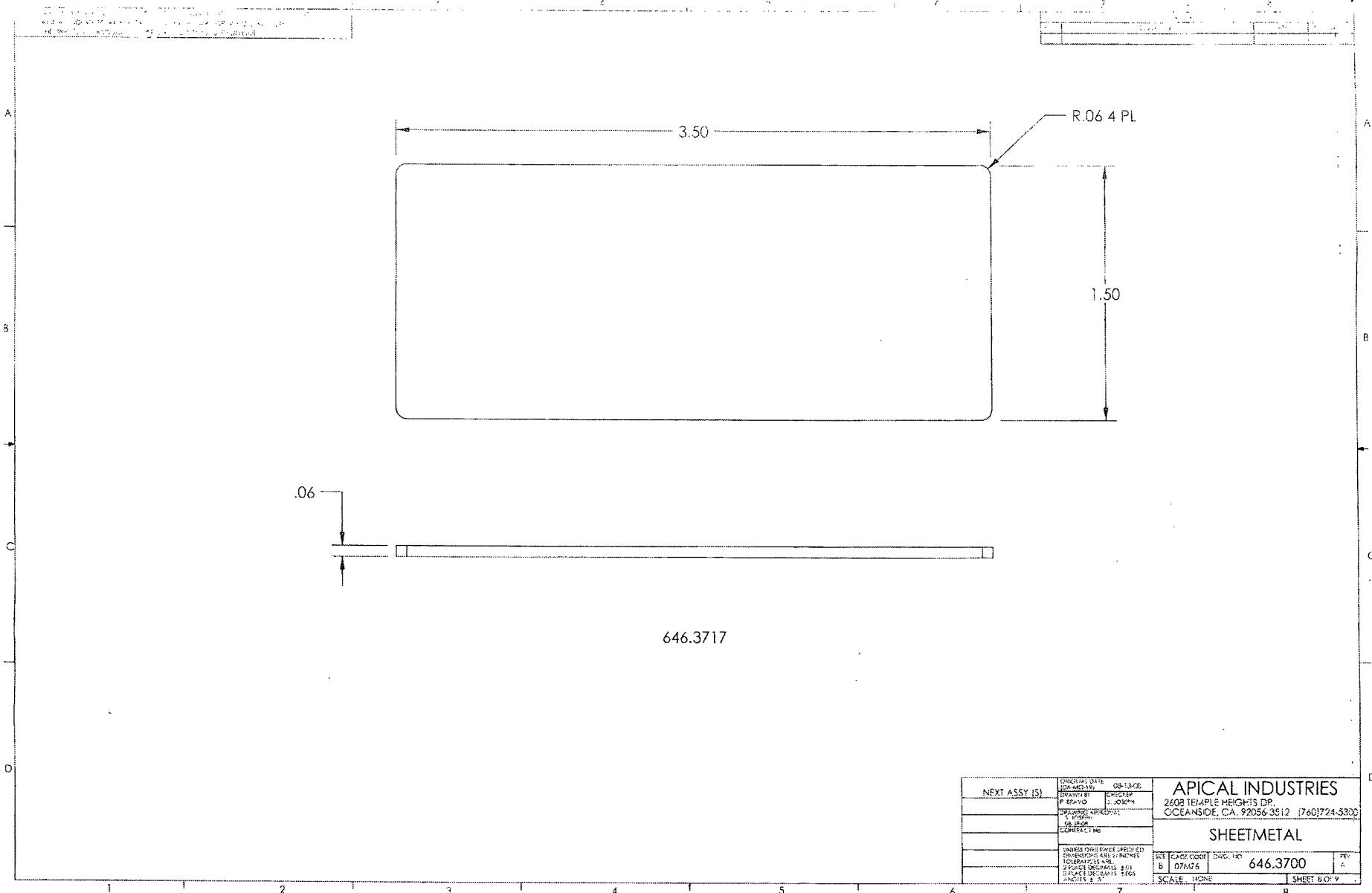
646,371



FLAT PATTERN

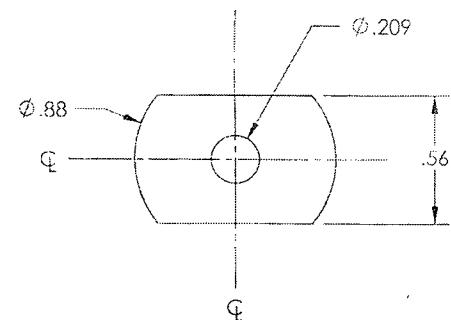
| | | | |
|---------------------------|-------------------|------------|-------------------|
| NEXT ASSY. (S) | SHIPMENT DATE | 10/15/04 | APICAL INDUSTRIES |
| | ITEM NUMBER | 100-1000 | |
| REMARKS | 5 POUNDS | | |
| | SHIPPING APPROVAL | | |
| REMARKS | 00-1000 | | |
| REMARKS | STAINLESS STEEL | | |
| ITEMS COMING SPECIAL | | | REF. A |
| DESCRIPTIONS ARE FRENCHES | | | |
| ITEMS COMING SPECIAL | | | |
| ITEMS COMING SPECIAL | | | |
| ITEMS COMING SPECIAL | | | |
| ITEM | ITEM CODE | QTY | REF. |
| B | 070745 | 646,3700 | A |
| SCALE: 1/4" | | SHEET: C-9 | |

93338

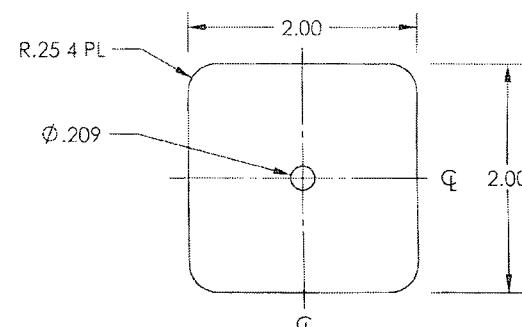


9338

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



646.3718



646.3719

0.06

0.06

1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

| | | | | |
|---------------|--------------------|-----------------------|-------------------------|---|
| NEXT ASSY (S) | DRAWN BY: P. DRAVO | CHECKED BY: J. JOSEPH | APICAL INDUSTRIES | |
| | | | 2608 TEMPLE HEIGHTS DR. | OCEANSIDE, CA. 92056-3512 (760)724-5300 |
| | | | SHEETMETAL | |
| | | | SPS CODE: 07M26 | PN: 646.3700 |
| | | | | SCALE: 1:100 |
| | | | | 1 SHEET OF 4 |

| | | |
|-----------------------------------|--------------|-------------|
| DART AEROSPACE LTD | Work Order: | 93338 |
| Description: STRUT Dowel | Part Number: | 646-3715 |
| Inspection Dwg: (L46-3) (5 Rev: A | | Page 1 of 1 |

FIRST ARTICLE INSPECTION CHECKLIST

| | |
|--------------|----------|
| Measured by: | FB |
| Date: | 12-12-16 |

Audited by: 15
Date: 10/21/08

| | |
|------------------------------|--|
| Preliminary Approval: | |
| Date: | |



A.T.G. Industries Inc.
731, rue Industrielle Rd.
PLATING DEPARTMENT
Rockland, On K4K 1T2
Canada
Ph: (613) 446-4544
Fax: (613) 446-4556

Pack List

Number: 62212

Date: 13-Feb-13

To

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7
Canada

Ship To

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7
Canada

Ph: 613-632-5200

Fax: 613-632-1185

Ph: 613-632-5200

Fax: 613-632-1185

| Terms | | Ship Via |
|----------|---|----------------------------------|
| | | |
| Quantity | Description | |
| 1 lot | Part: ASST 4 PCS 647.2010 14 PCS 647.2011 4 PCS 646.9910 4 PCS 647.1813 3 PCS 647.7915 8 PCS 649.4816 170-PCS 646.9910 30 PCS 646.3715 — <i>5/3/13</i> 4 PCS 647.7914 14 PCS 646.3713 41 PCS 649.4813 4 PCS 647.1910 16 PCS 646.9710 HARD ANODIZE BLACK MIL-A-8625 TYPE III CLASS 2 Job: 20130090 | Rev: Line: PO: PO18829 |

Certificate of Conformance

A.T.G. Industries certifies that all items in this shipment are in conformance with all requirements, specifications and drawings referenced in the purchase order.

ISO 9001 : 2008 REGISTERED
ATG SALES-2010 TERMS APPLY

DATE: 13/2/13

CERTIFIED SIGNATURE: MM

RECEIVER SIGNATURE: _____